(A) Student Handout. Earth, Earth's Moon, Mars Comparisons

NAME:_____

1. What is the estimated difference in size between the Earth and Mars?

2. Make a drawing of your prediction. What do you think the differences are between the sizes of the Earth, Earth's Moon, and Mars?

3. Explain why you think your prediction is true.

(B) Student Worksheet. Relative Size and Distance Sheet

NAME:_____

Planet/Moon	Circumference (cm)	Balloon Circumference Prediction (cm)	Actual Balloon Circumference (cm)
Earth		63	63
Earth's Moon	1,091,500,000		
Mars	2,133,300,000		

Planet/Moon	Average Distance (cm)	Balloon Distance Prediction (cm)	Actual Balloon Distance (cm)
Earth to Earth' Moon	38,400,000,000		
Earth to Mars	7,800,000,000,000		

Show your work:

(C) Student Worksheet. Student Reflection

NAME:_____

1. What did you find most surprising during this investigation?

2. Why did we use a scale to create our model of Earth, Earth's Moon, and Mars?

3. How do you think scientists would use a planetary scale model? Give an example.

4. Revisit your original prediction. Was it correct? What do you know now that would improve your prediction?